

Fig. 1

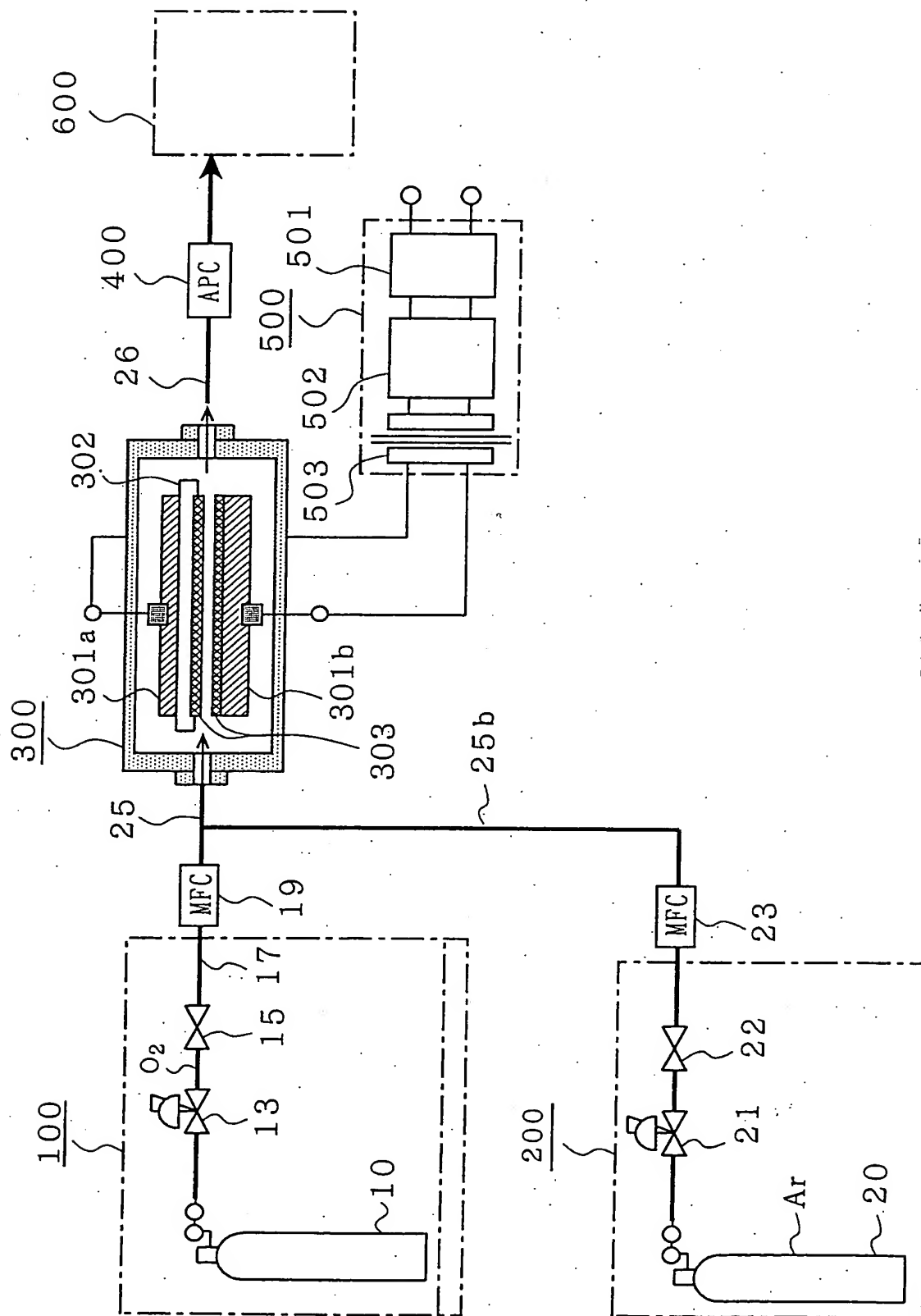
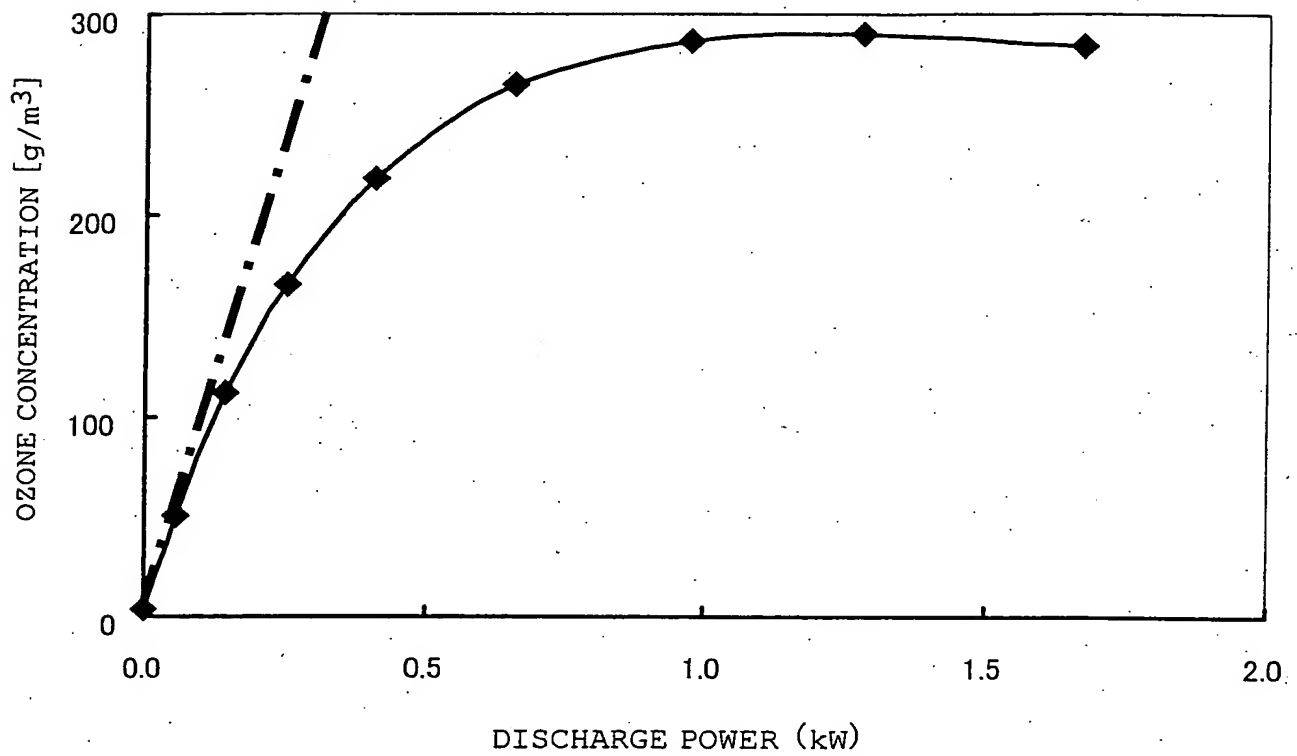


Fig. 2



F i g . 3

DISSOCIATED OF OXYGEN MOLECULE

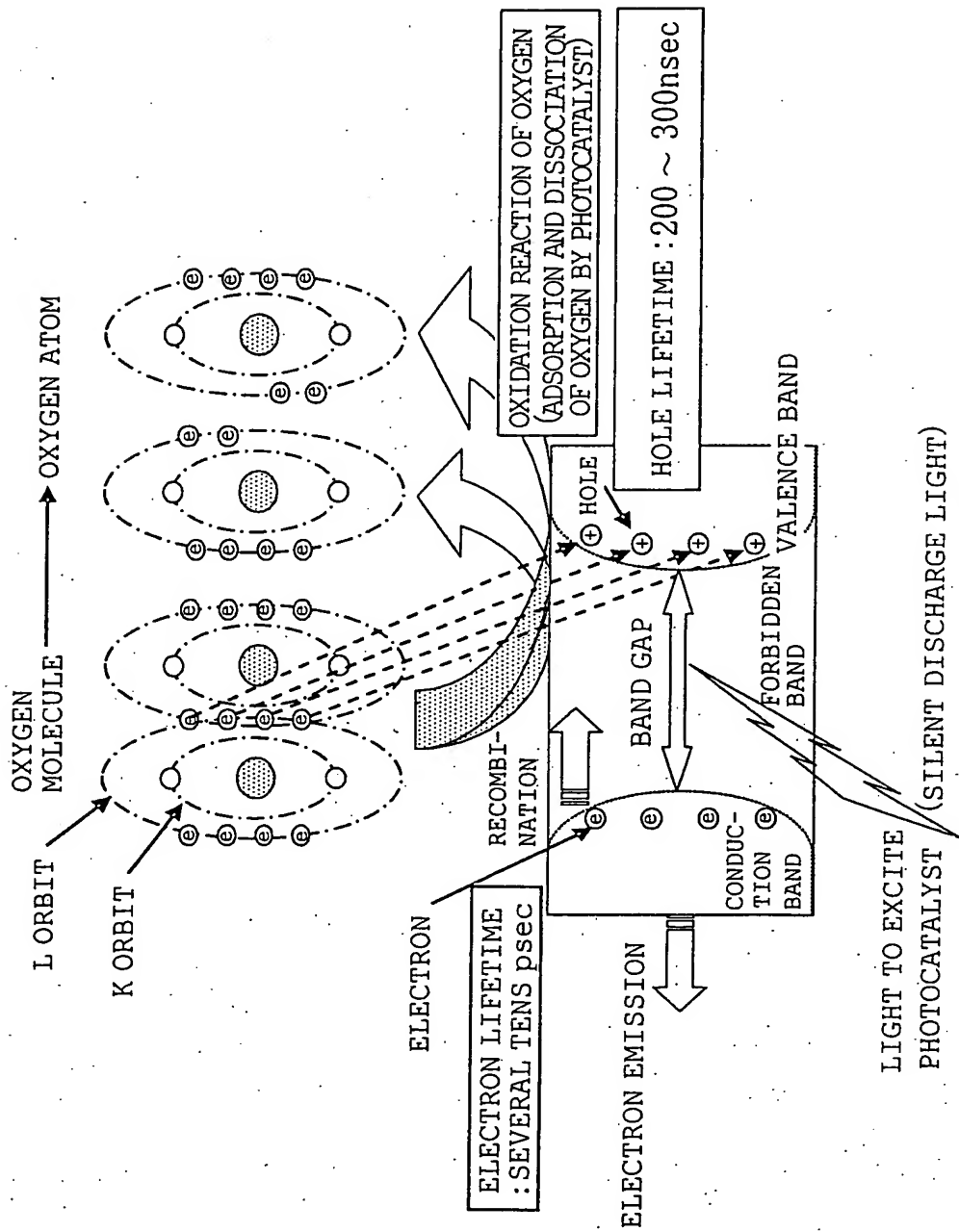
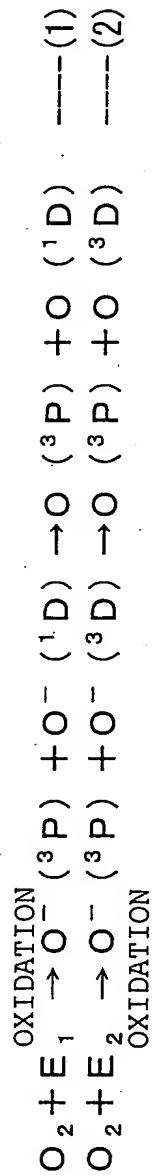


Fig. 4

OZONE GENERATION BY TRIPLE COLLISION

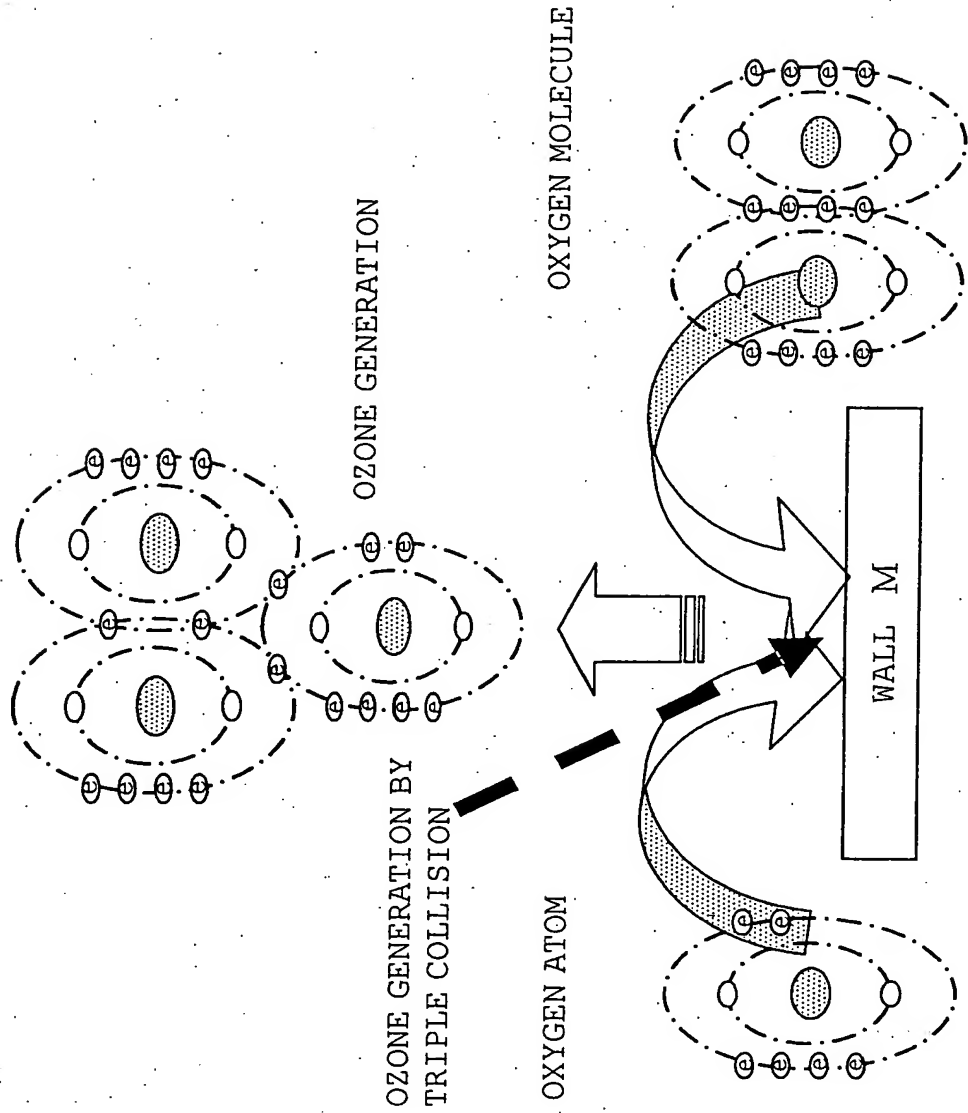


Fig. 5

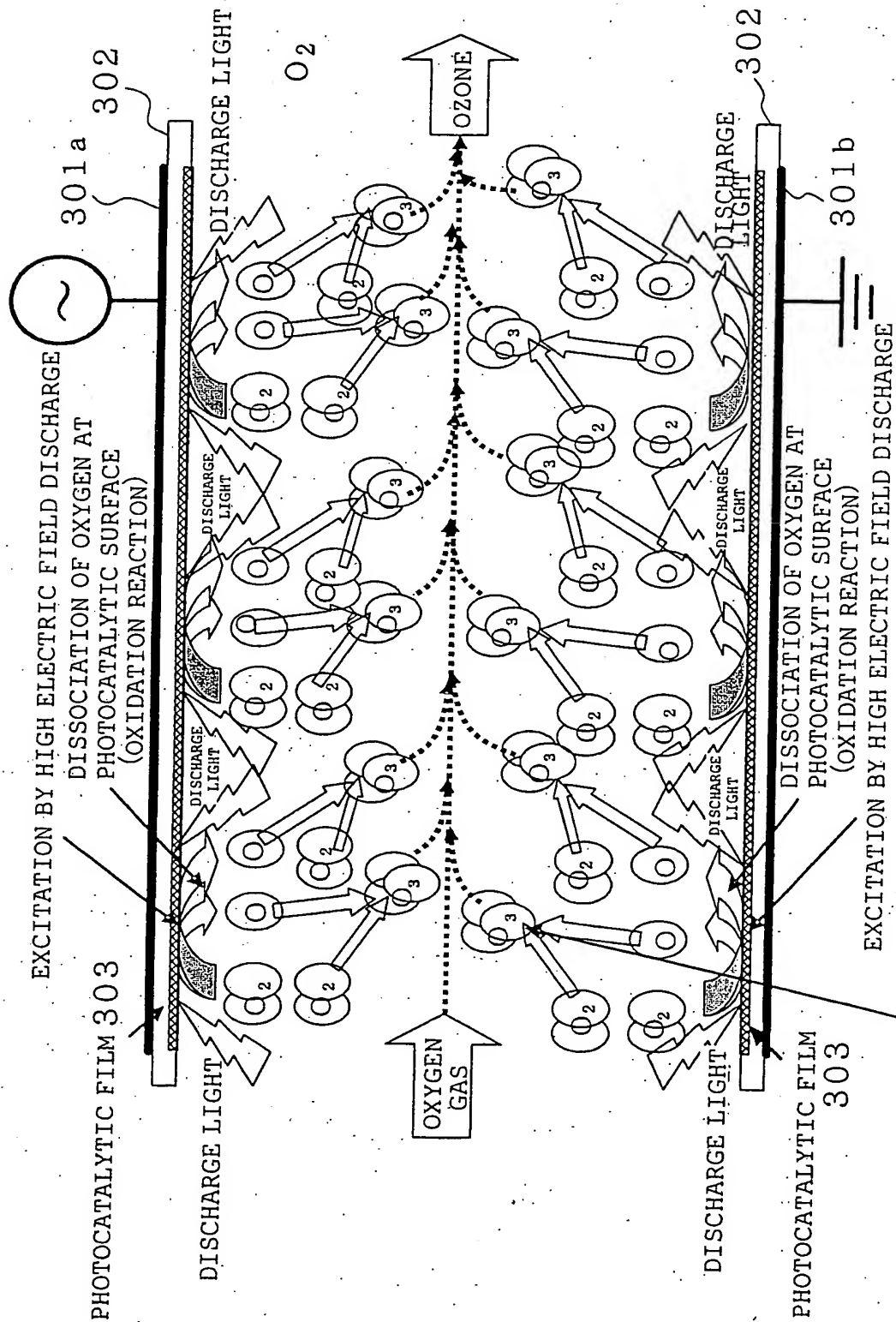
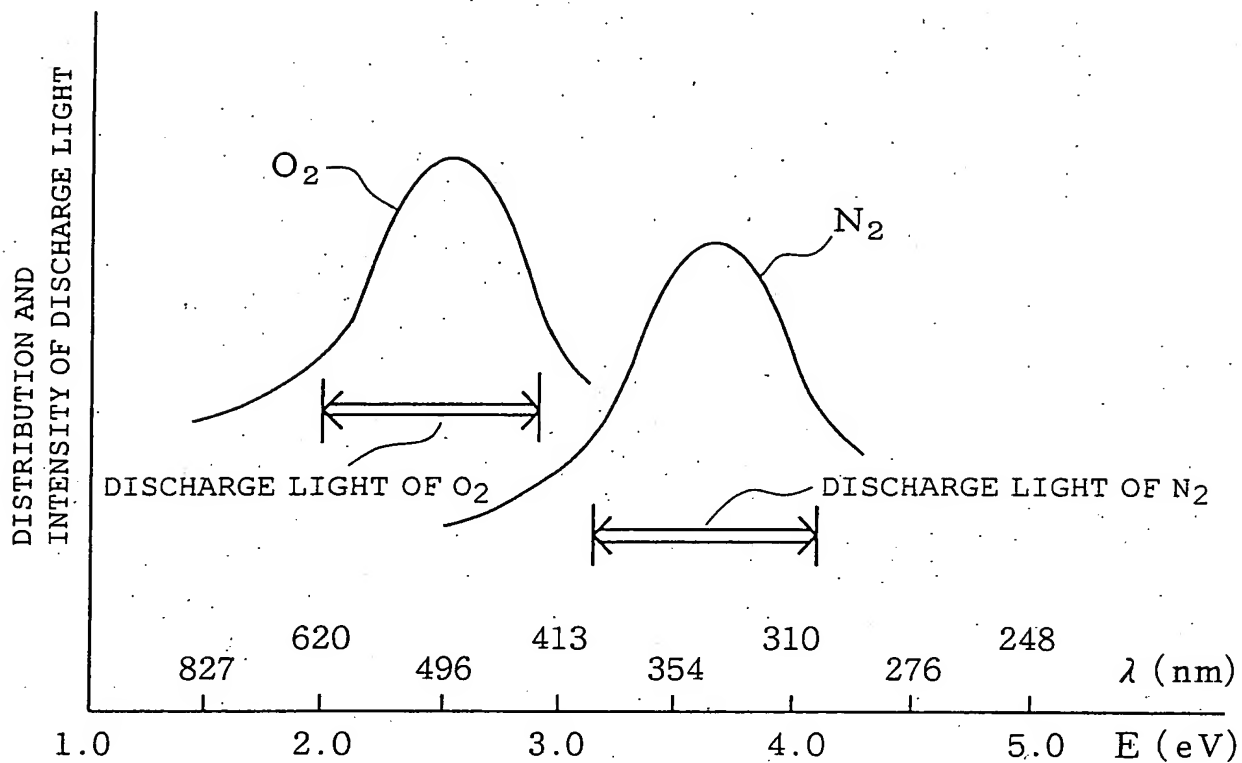
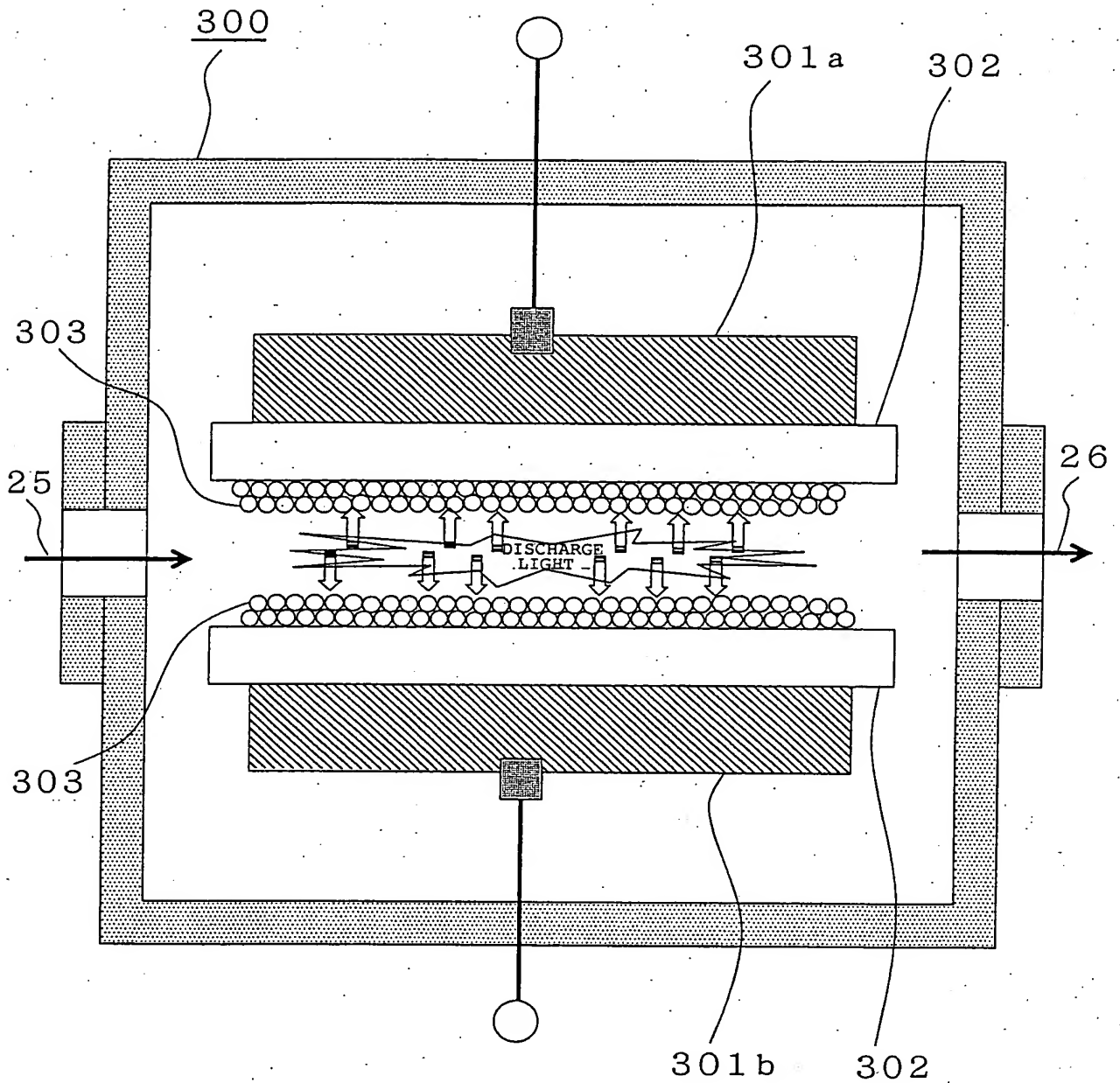


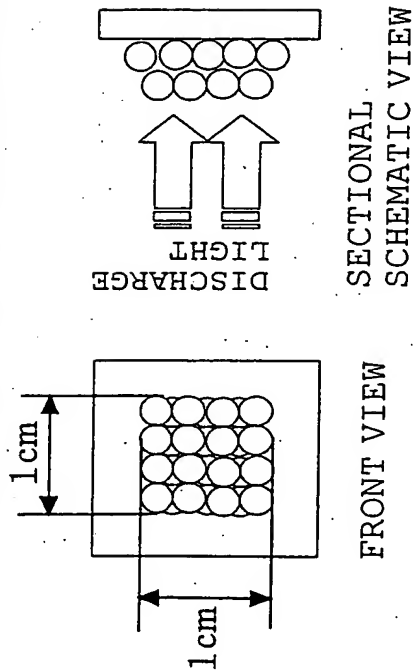
Fig. 6



F i g . 7



F i g . 8

CONTACT AREA BETWEEN PHOTOCATALYST AND
LIGHT PER UNIT DISCHARGE AREA

DISCHARGE GAP : 0.1 mm

750 cm²

DISCHARGE GAP: 0.1 mm

DISCHARGE AREA: 750 cm²

DISCHARGE PRESSURE: 0.25 MP a

POWDER PARTICLE DIAMETER OF PHOTOCATALYST: 2 μ m

SURFACE AREA OF POWDER PARTICLE OF PHOTOCATALYST: 1.256E-07 cm²

NUMBER OF POWDER PARTICLES OF PHOTOCATALYST PER ONE SIDE OF DISCHARGE AREA OF 1 cm²: 10000

NUMBER OF POWDER PARTICLES OF PHOTOCATALYST PER DISCHARGE AREA OF 1 cm²: 10000000

SURFACE AREA OF POWDER PARTICLE OF PHOTOCATALYST PER DISCHARGE AREA OF 1 cm²: 4.14 cm²

Fig. 9

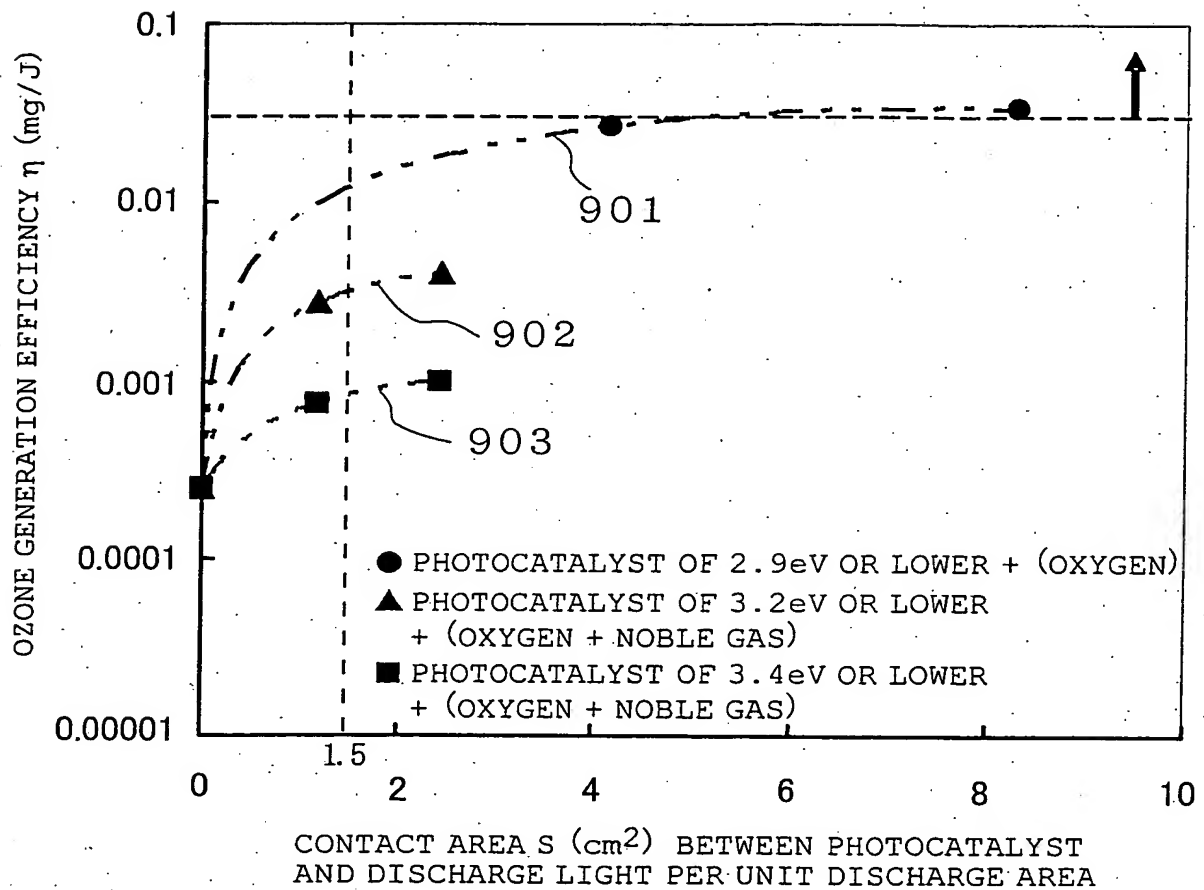


Fig. 10

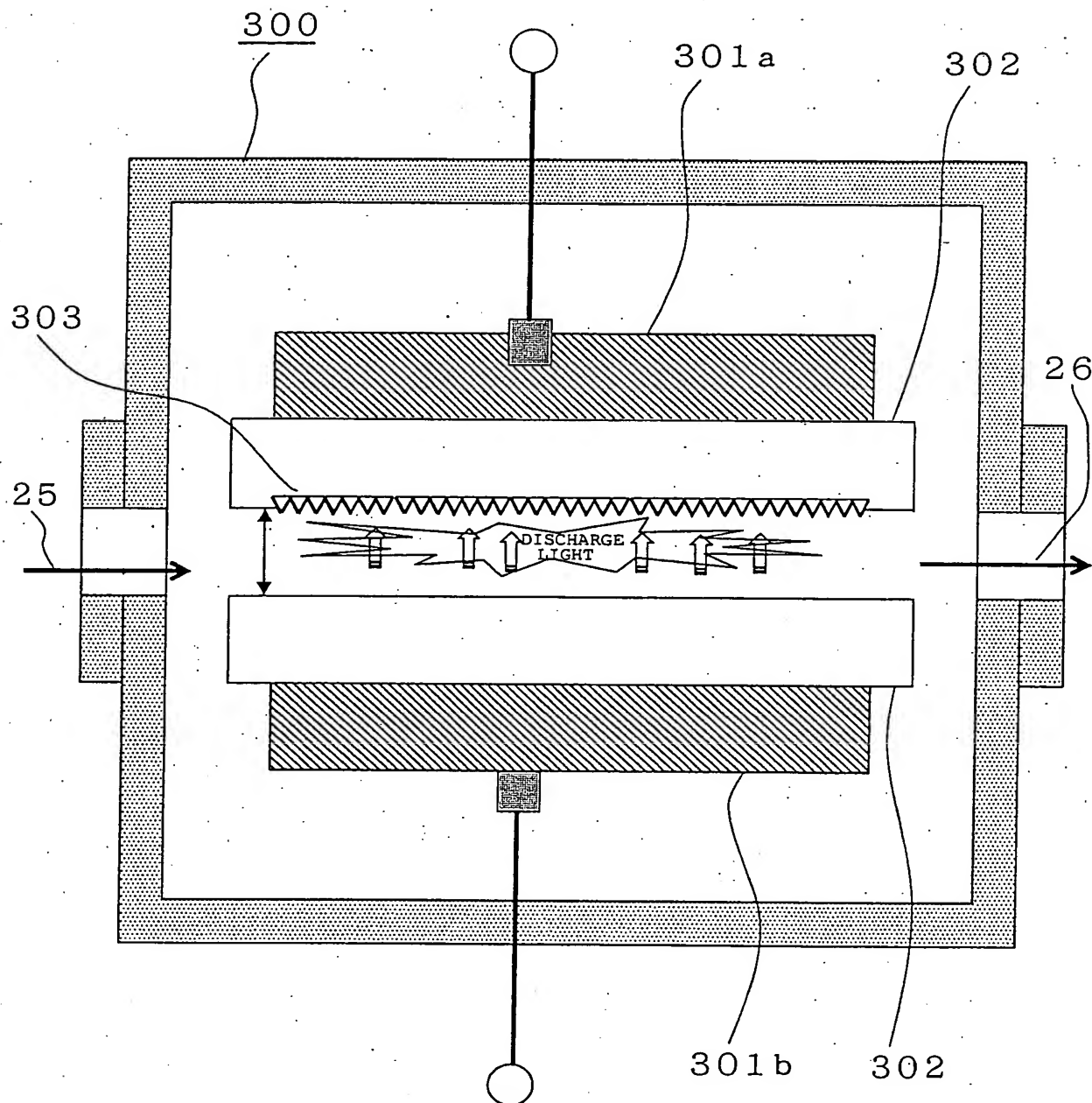


Fig. 11

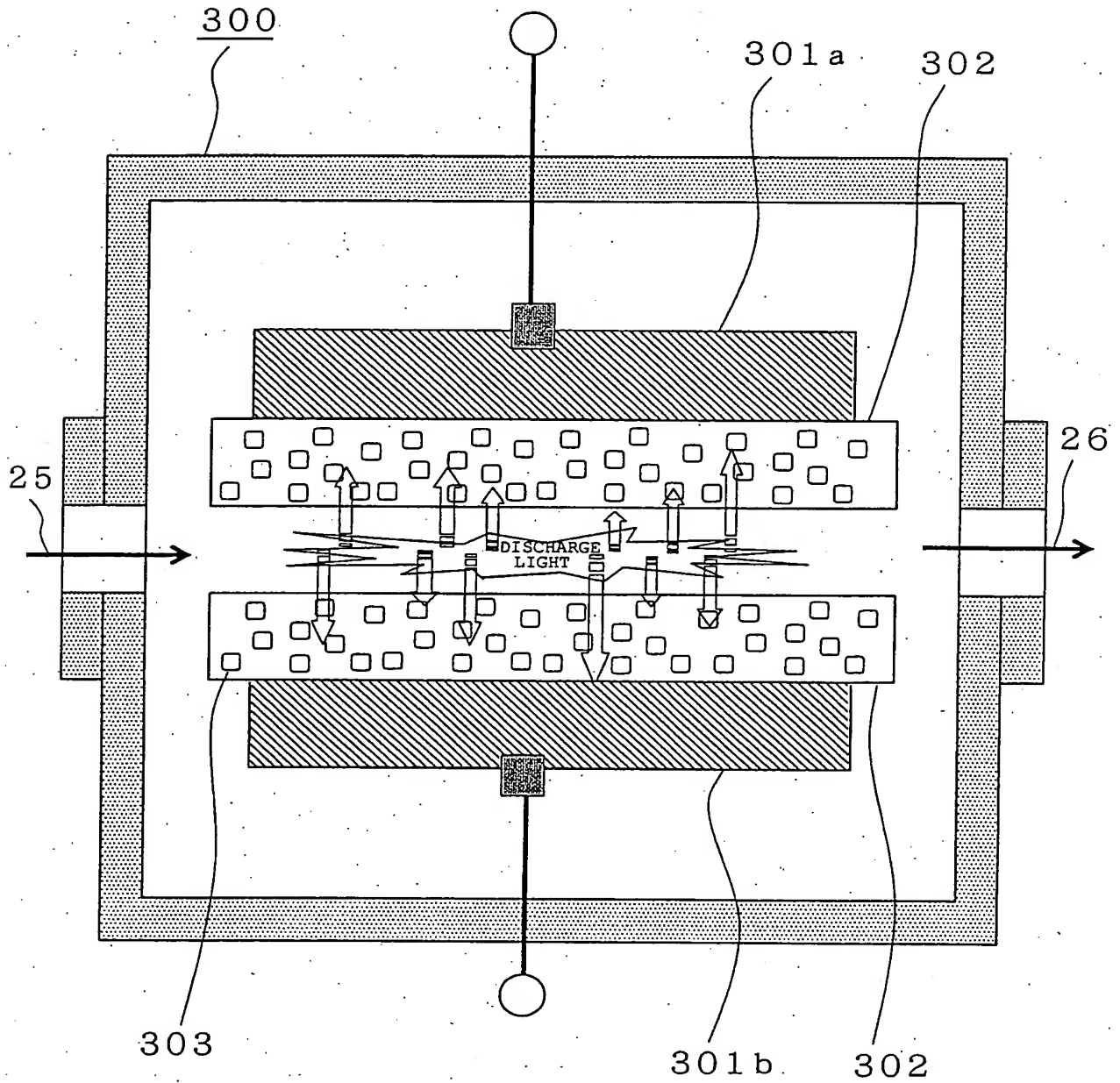
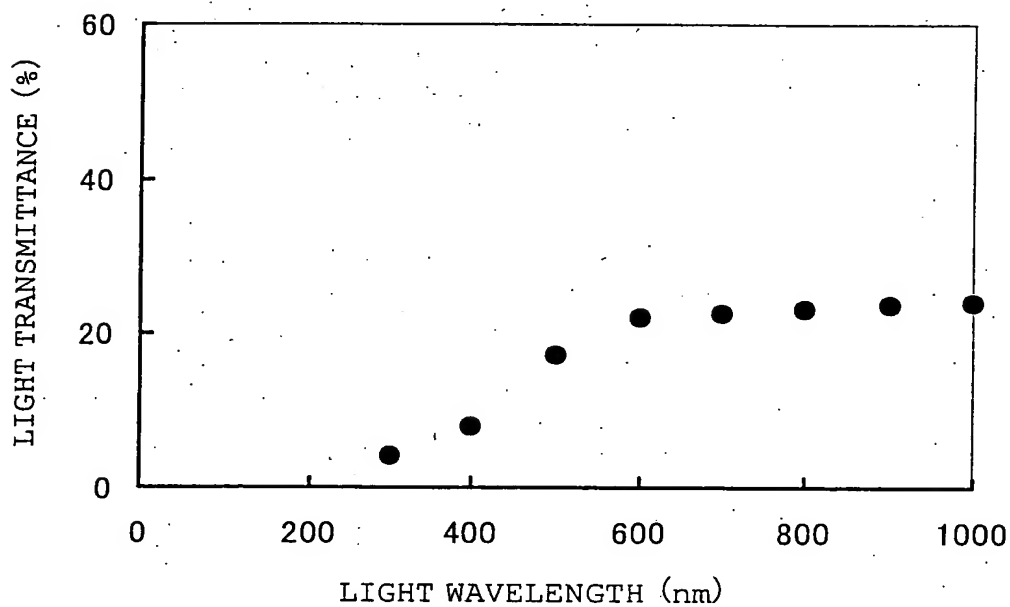
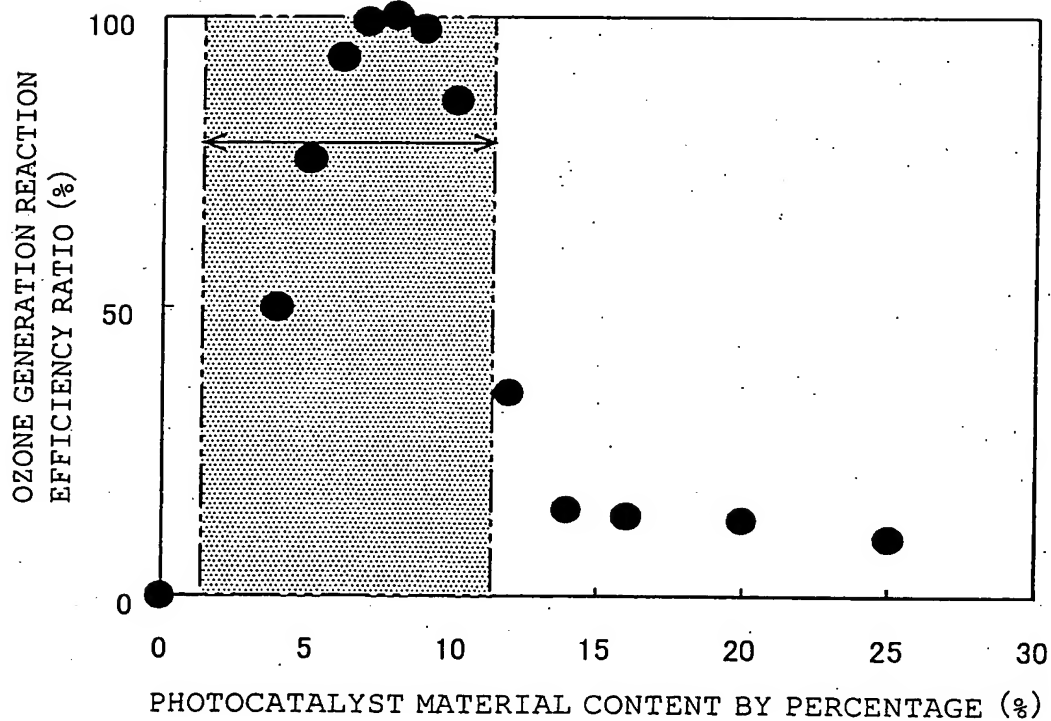


Fig. 12



F i g . 1 3



F i g . 1 4

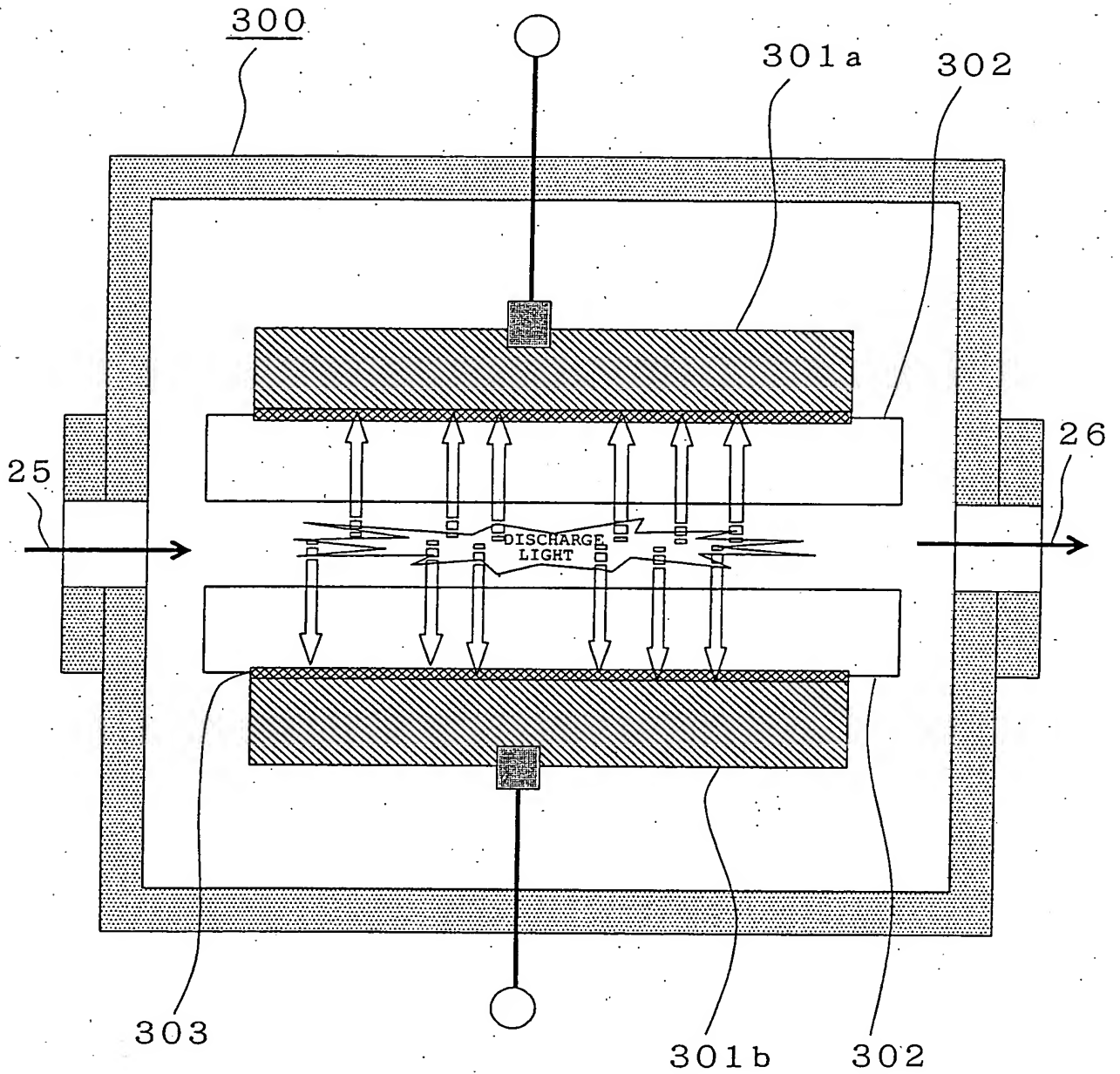
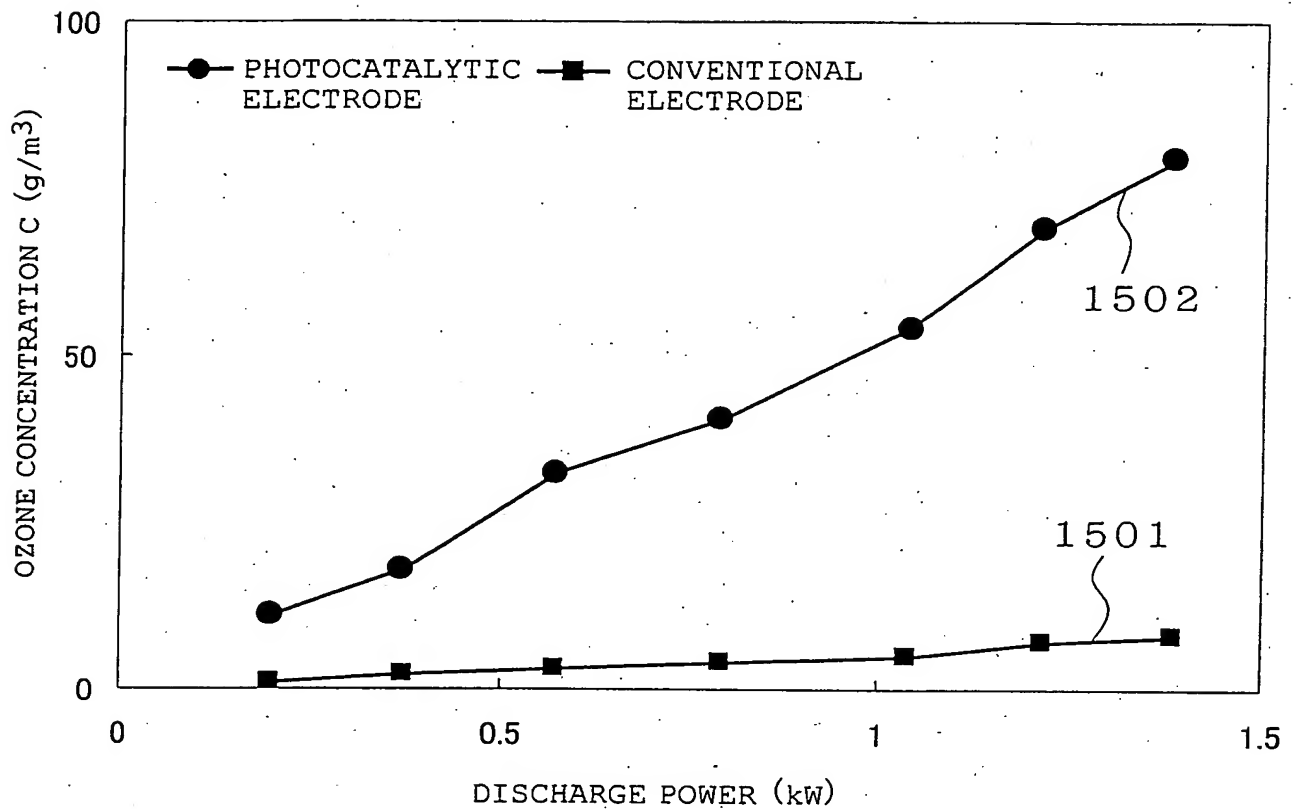


Fig. 15



F i g . 1 6

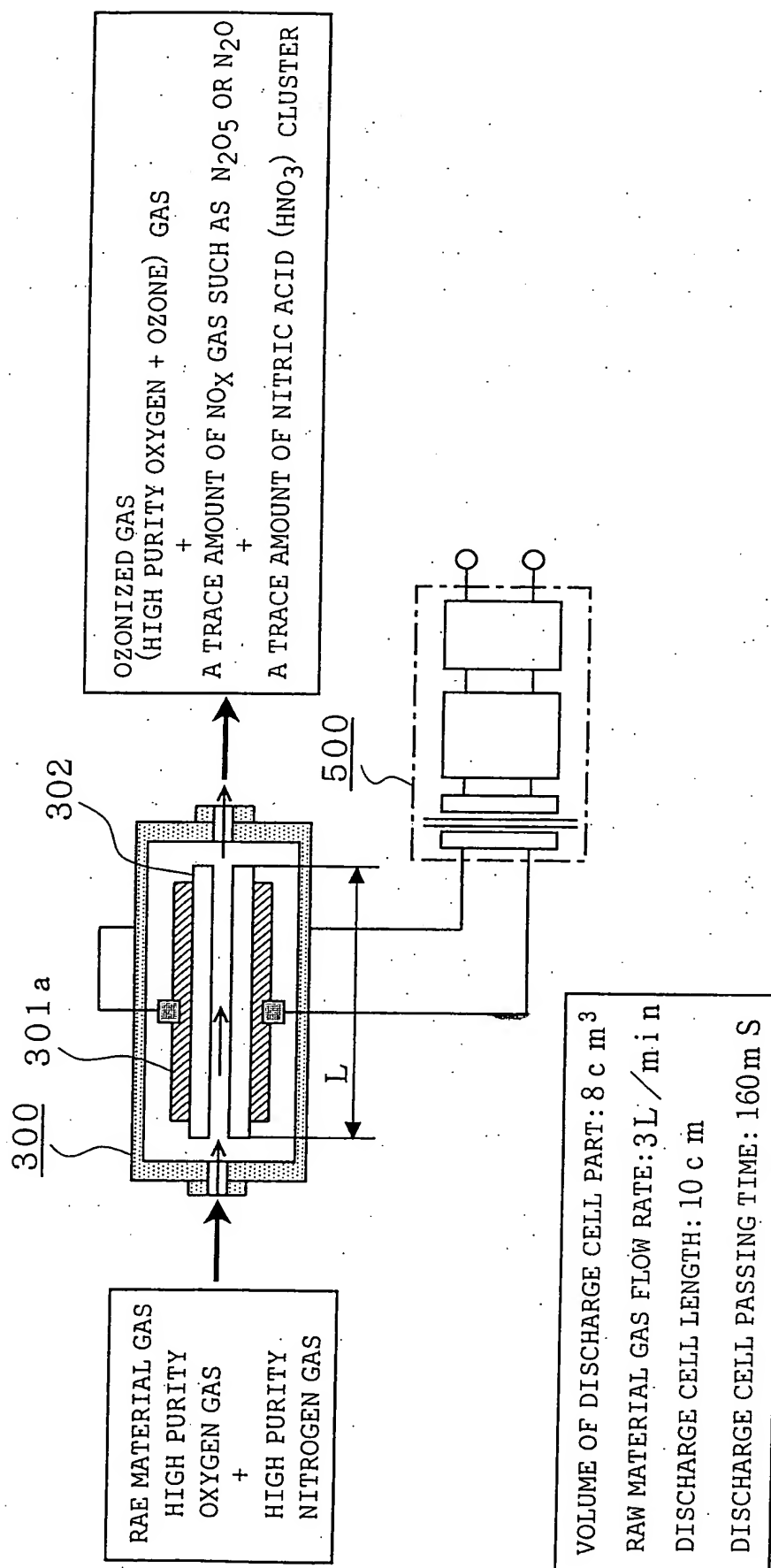


Fig. 17

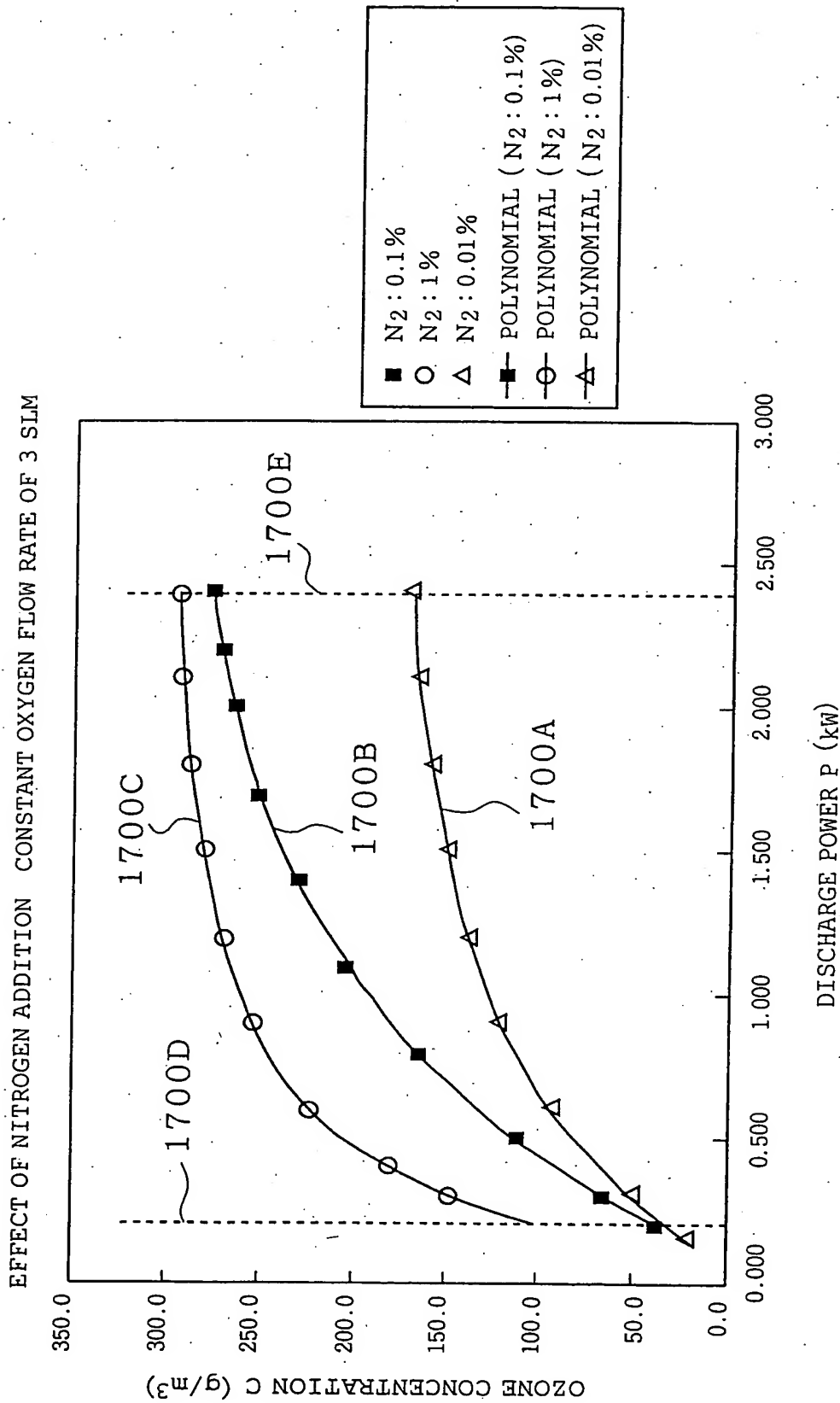


Fig. 18

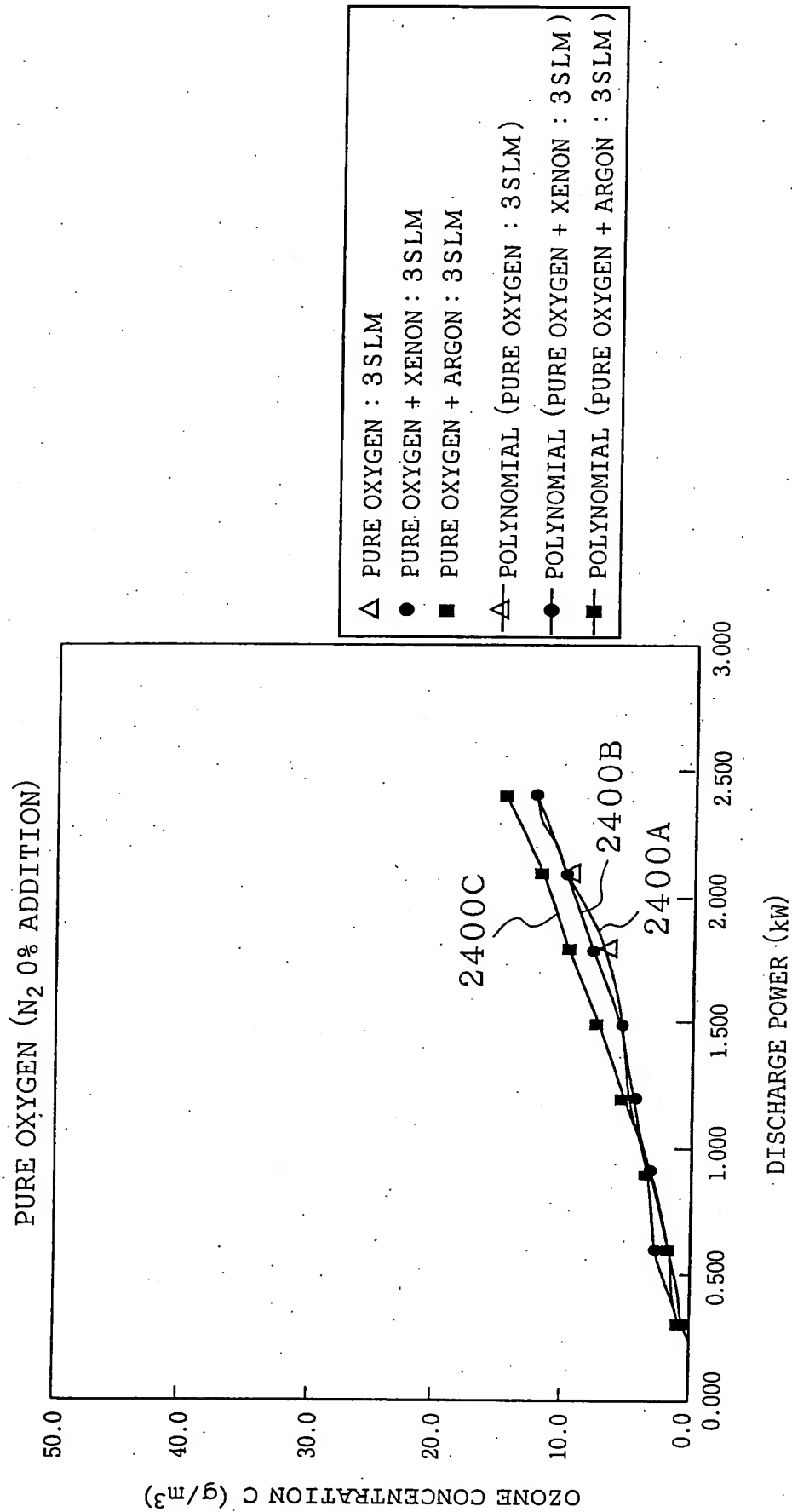
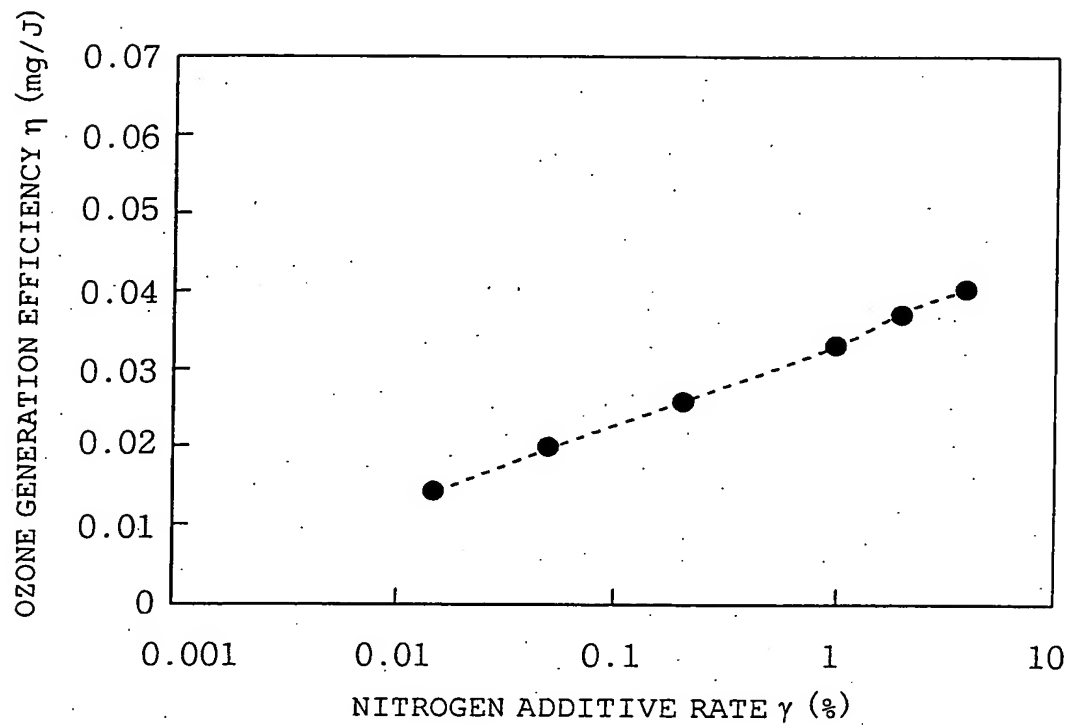
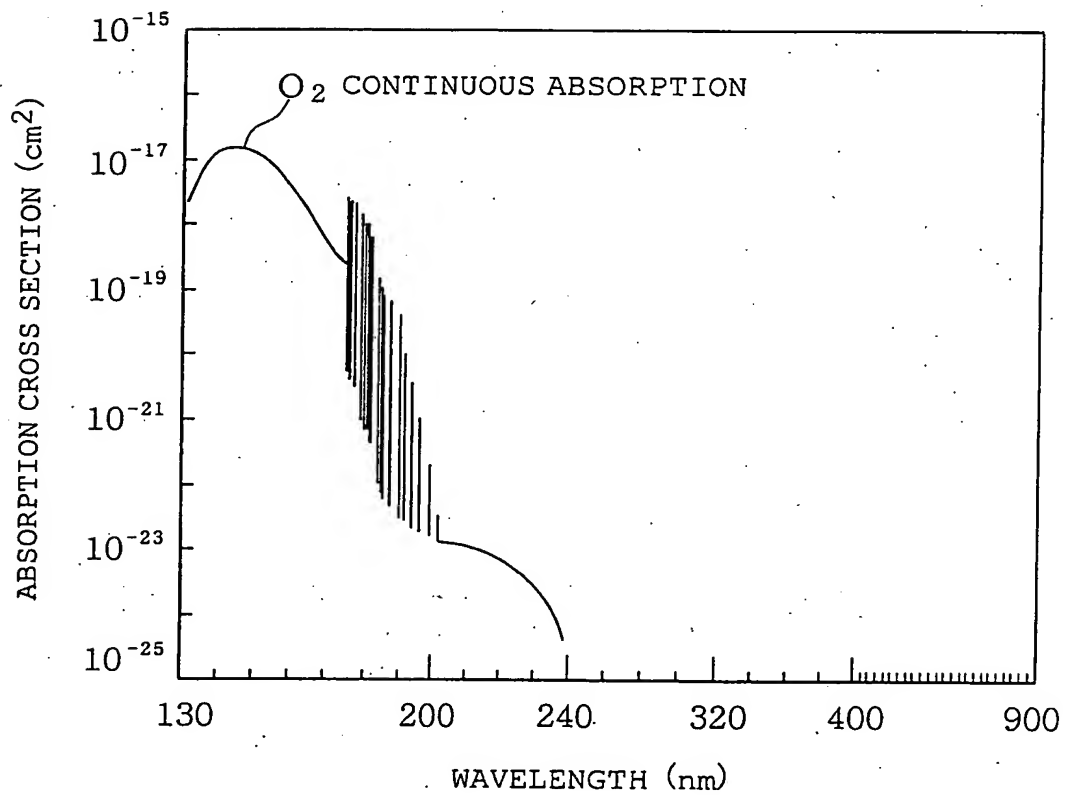


Fig. 19



F i g . 2 0



F i g . 2 1

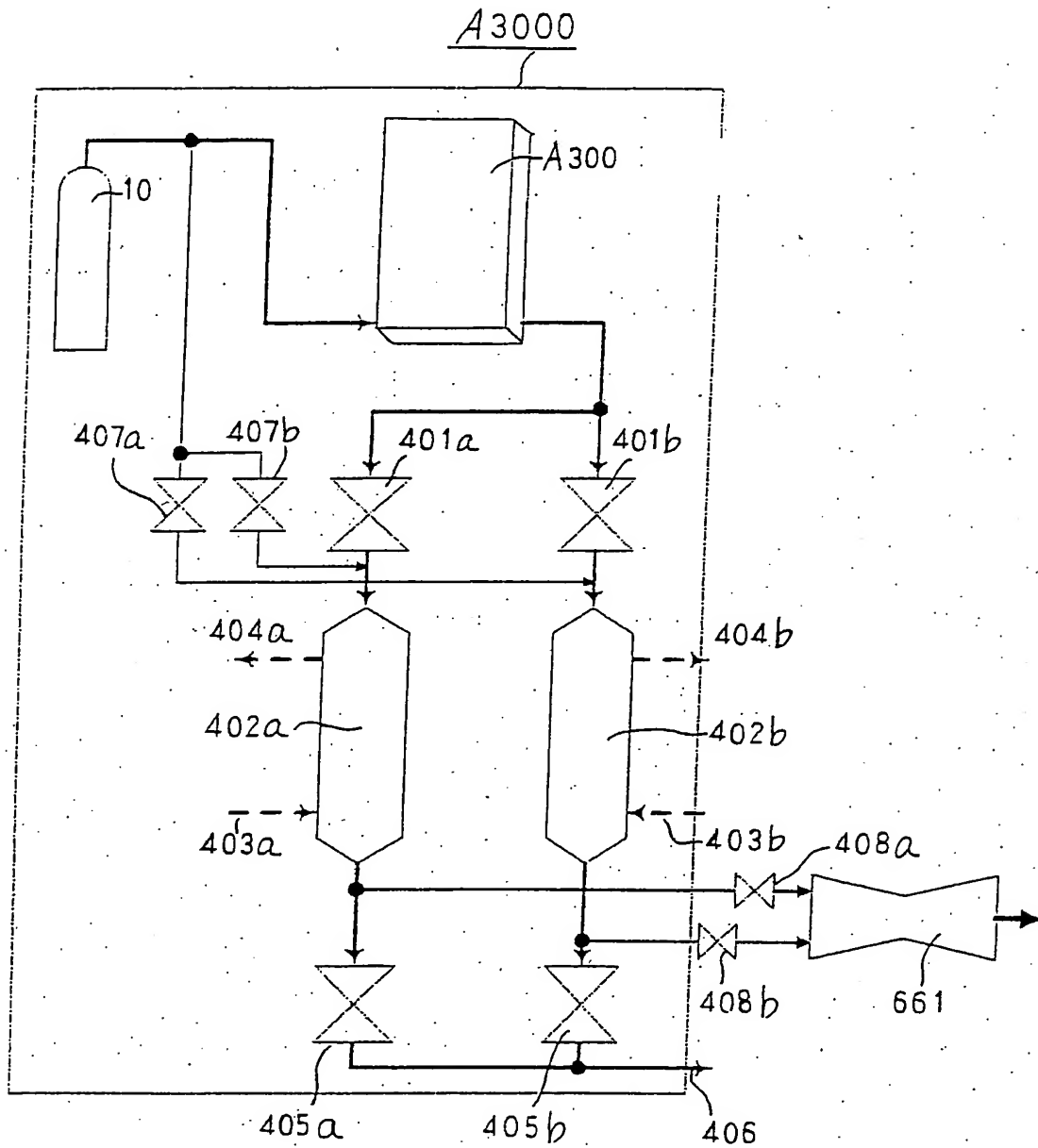


Fig. 22

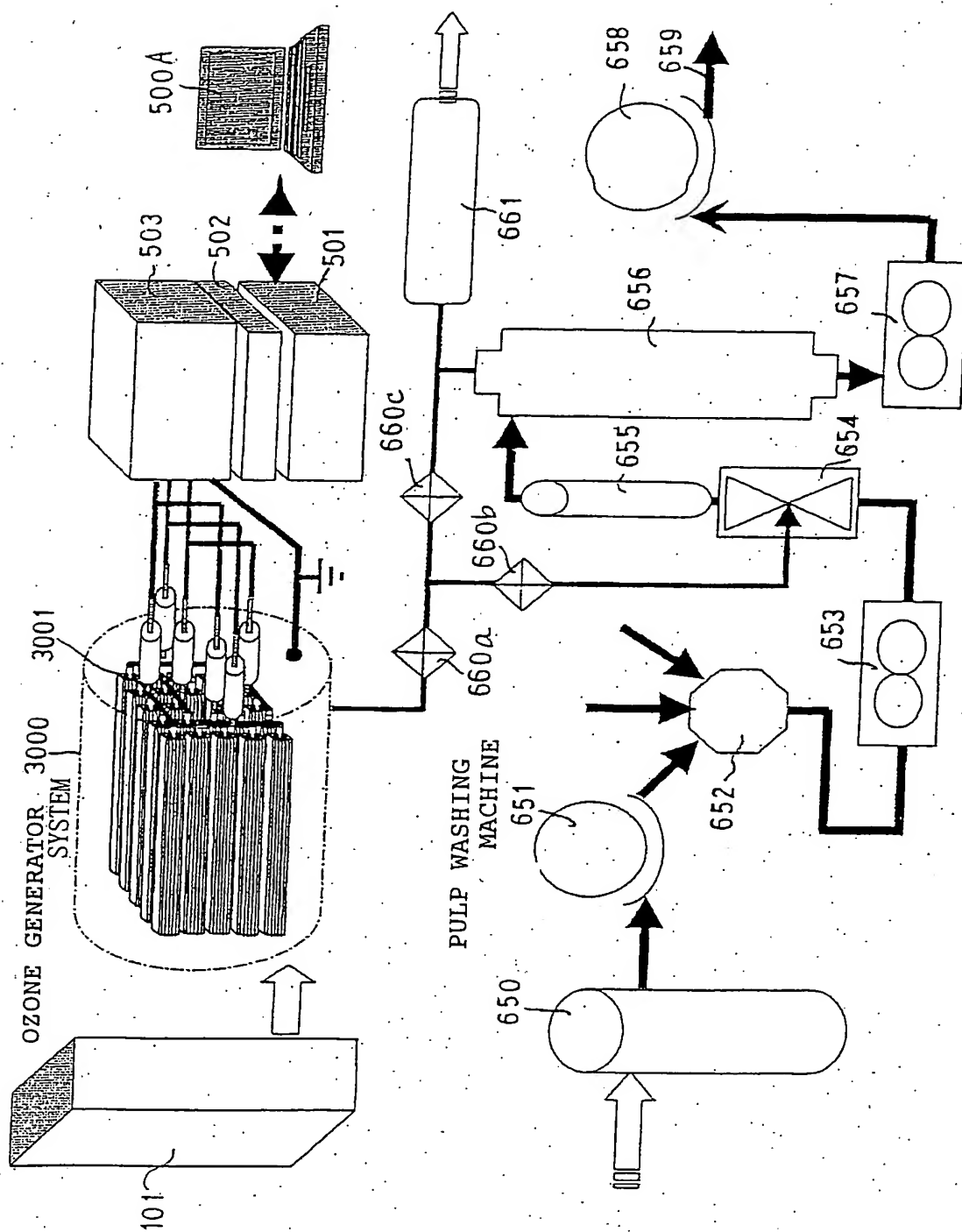


Fig. 23

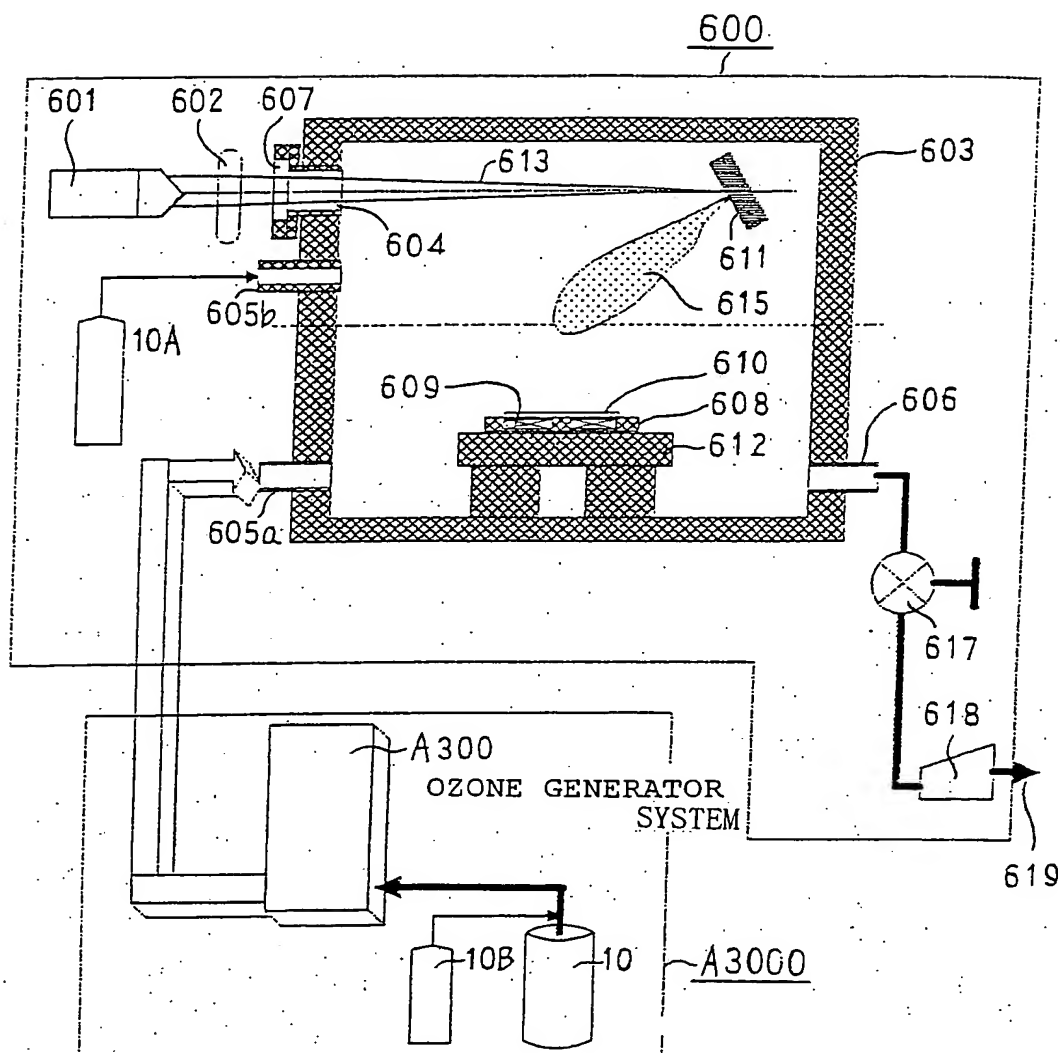


Fig. 24